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SCAN HERE



PR-2023-0809-136482



Republic of the Philippines  
**VISAYAS STATE UNIVERSITY**  
 Visca, Baybay City, Leyte

## PURCHASE REQUEST

PPMP No. : 15-1-8-2024-7-0-0

PR No.: STF-2023-08-01461

Date: 08-09-2023

Dept./Office: DOPAC

Category: Laboratory  
 Supplies

Section/End-User: Jane M. Abapo

Project Title/Code: DoPAC STF

Funding Source: Special Trust Fund

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	4-Nitrophenol or p-Nitrophenol	Vial	1	5,615.00		5,615.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Analytical standard</li> <li>Powder or crystal form</li> <li>HPLC suitable</li> <li>Vial of 1g</li> </ul>						
2	ammonium molybdate	500gms	1	1,500.00		1,500.00
<b>Specification:</b> ammonium molybdate, analytical reagent - 500 g.						
3	Ammonium Phosphate Dibasic	btl	1	1,000.00		1,000.00
<b>Specification:</b> ?Analytical Grade ?500 G bottle						
4	Anhydrous Sodium Sulfate 100g	btl	1	500.00		500.00
<b>Specification:</b> ?anhydrous powder, Analytical grade pure>99.9% - 100 g per bottle						
5	Barfoed's Reagent Solution 1000mL	btls	1	400.00		400.00
<b>Specification:</b> Technical Reagent Grade 1000mL per bottle						
6	Benedict's Solution 1000mL	btls	2	400.00		800.00
<b>Specification:</b> Technical Reagent Grade 1000mL per bottle						
7	Calcium carbonate, AR 500g	kgs	1	1,500.00		1,500.00
8	Carbon Disulfide 500mL	btls	1	1,500.00		1,500.00
<b>Specification:</b>						

Analytical Reagent Grade 500mL per bottle						
9	Cyclohexene	btl	1	3,187.00		3,187.00
<b>Specification:</b>  Analytical Reagent Grade 2.5L per bottle						
10	D-(+)-Maltose monohydrate, AR	btl	1	6,500.00		6,500.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Analytical Standard</li> <li>HPLC suitable</li> <li>Size: 500 mg per bottle</li> </ul>						
11	Gloves, Nitrile, Large	box of 50's	2	1,500.00		3,000.00
<b>Specification:</b>  ?Glove Type: Chemical Resistant Disposable Gloves ?Glove Material: Nitrile ?Powder-Free ?1 box of 100 or 50 pairs ?Food Safe ?Size: large						
12	Lithium Chloride	btl	1	959.00		959.00
<b>Specification:</b>  ?Anhydrous ?Lab grade/Analytical reagent grade ?Expiration date(3 years from the delivery date) ?Packed in Teflon bottles						
13	Litmus Paper (Blue)	Vial	2	600.00		1,200.00
<b>Specification:</b>  Blue Litmus Test Paper  Blue Litmus test paper is a foolproof pH test to determine if something is acidic. The Blue Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn red if dipped into an acidic solution (pH <7). It will remain unchanged in an alkaline solution. Although there is no color chart, the strip will turn various shades of red, getting darker the more acidic the solution. We have tested the blue litmus with multiple pH buffers. The blue paper is blue at pH 8. At pH 7, the sample is maybe just a little red. The real change to red seems to start with pH 6.5 and lower. <p> <b>Strip</b> 100 strips  <b>Quantity:</b>  <b>Other</b> Additional sheet sizes available upon request  <b>Vial</b>  <b>Dimensio</b> .75? (D) x 2.75? (H) [19mm (D) x 70mm (H)]  <b>ns:</b> </p>						

**Strip**  
**Dimensio** 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]  
**ns:**  
**Box** 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)  
**Dimensio** cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)  
**ns:** 8.9 cm x 7.6 cm] (25-pack box)  
**Weight:** 0.02 lbs [9 g] (single vial)  
**Other:** Stored in a pocket-sized, lightweight vial.  
**Shelf-**  
**Life:** 3 Years Minimum

14	<b>Ninhydrin (1,2,3 -Indanetrione monohydrate), 25g</b>	btl	1	2,000.00		2,000.00
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**Specification:**

?CAS 485-47-2  
 ?White solid  
 ?50g  
 ?Analytical Grade

15	<b>Nitrile Gloves, Medium</b>	box of 50's	2	1,500.00		3,000.00
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**Specification:**

- Glove Type: Chemical Resistant Disposable Gloves
- Glove Material: Nitrile
- Powder-Free
- 1 box of 100 or 50 pairs
- Food Safe
- Size: medium

16	<b>Pasteur pipette</b>	pc	25	20.00		500.00
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**Specification:**

Specifications  
 230mm Overall Length, 108mm Tip Length, 120 mm Body Length,  
 Type 1 Clear Glass  
 Non-sterile  
 Max dispensing volume : 2mL  
 No graduations

17	<b>Petroleum Ether, AR</b>	gallon	1	3,500.00		3,500.00
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18	<b>pH / Temperature Laboratory Bench Meter</b>	unit	1	29,000.00		29,000.00
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**Specification:**



?Advanced pH/Temp microprocessor-based bench meter. It is ideal for students and technicians who need fast and reliable measurements.

?This meter is provided with a series of new diagnostic features which add an entirely new dimension to the measurement of pH, by allowing the user to dramatically improve the reliability of the measurement:

?Automatic Temperature Compensation (ATC) for good accuracy under fluctuating temperatures

?Easy to read large custom LCD

?Easy and Quick Push-button Calibration

?7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) for calibration

?Messages on the LCD to make the calibration easy and accurate

?User-selectable "calibration time out" to remind when a new calibration is necessary

?Stability Indicator prompts whenever reading stabilizes.

?Moreover, it offers an extended temperature range from -20°C (-4°F) to 120°C (248°F), using the MA831R interchangeable temperature probe.

?Specific Details:

?Range: pH -2.00 to +16.00 pH

?Temp.: -20.0 to +120°C / -4.0 to +248°F

?Resolution: pH 0.01pH

?Temp.: 0.1°C (0.1°F)

?Accuracy: pH +/- 0.01 pH (@20°C / 68°F) Temp.: +/- 0.4°C / +/- 0.8°F

?Typical EMC pH: +/- 0.02 pH

?Deviation Temp.: +/- 0.4°C / +/- 0.8°F

?pH Automatic Calibration: 1 or 2 point calibration, with 7 memorised buffers

?Offset Calibration: +/- 1 pH

?Slope Calibration: from 80 to 108%

?Temperature Compensation: automatic, from -20.0 to +120°C / -4.0 TO +248°F or manual, without temperature probe

?pH electrode: MA 917B/1 (included) double junction refillable glass pH electrode

?Temperature probe: MA 831R (included) Environment: 0 to 50°C / 32 to 120.0°F; max. RH 95% Input impedance: 10<sup>12</sup> ohm

?Power supply: 12 VDC power adaptor (supplied)

?Dimensions: 230W x 160D x 95H mm. Weight: 0.9 kg.

19	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>	pack	2	500.00		1,000.00
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#### Specification:

#### General description

Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14

pH indicator papers Booklet size: 4.5 CM x 6.5 CM are perfectly suited for longterm storage, since they are protected against external influences, such as moisture, light, and ambient gases. These pH indicator papers are manufactured by impregnating high-quality filter paper with indicator or mixed-indicator solutions. The paper is always ready to use; it is easily pulled out of the plastic reel and can be torn off in the necessary length. The pH value is measured semi-quantitatively by visual comparison of the color formed on the paper with the fields of the color scale.

## PROPERTIES

Quality Level

100

<div> <div>feature</div> <div>non-bleeding: no</div> </div> <div> <div>graduations and accuracy measuring range</div> <div>accuracy: 1 pH unit</div> </div> <div> <div>roll L</div> <div>4.8 m , with color scale</div> </div> <div> <div>pH range</div> <div>1-14</div> </div> <div> <div>detection method</div> <div>colorimetric</div> </div> <div> <div>storage temp.</div> <div>15-25°C</div> </div>						
20	Potassium Chloride, AR, 1000g	btl	1	2,500.00		2,500.00
21	Potassium dichromate, AR Grade	btl	1	1,550.00		1,550.00
<div>Specification:</div> <div>?500 grams/poly bottle</div>						
22	Potassium Iodate 500g	500gms	1	7,000.00		7,000.00
<div>Specification:</div> <div>Analytical grade</div>						
23	Potassium iodide, KI	btl	1	5,000.00		5,000.00
<div>Specification:</div> <div>?Analytical reagent grade, powder, 500g/bottle</div>						
24	Potassium permanganate, ACS reagent, ?99.0% Crystals	btl	1	1,500.00		1,500.00
<div>Specification:</div> <div>100grams/bottle</div>						
25	Red Litmus Test Paper	Vial	2	600.00		1,200.00
<div>Specification:</div> <div> <p>Red Litmus test paper is a foolproof pH test to determine if something is a base. The Red Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn blue if dipped into an alkaline solution (pH &gt;7).</p> <div> <div>Strip</div> <div>Quantity: 100 strips</div> </div> <div> <div>Vial</div> <div> <div>Dimensio .75? (D) x 2.75? (H) [19mm (D) x 70mm (H)]</div> <div>ns:</div> </div> </div> <div> <div>Strip</div> <div> <div>Dimensio 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]</div> <div>ns:</div> </div> </div> <div> <div>Box</div> <div>10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)</div> </div> </div>						

**Weight:** 0.02 lbs [9 g] (single vial)

**Other:** Stored in a pocket-sized, lightweight vial.

**Shelf-Life:** 3 Years Minimum

26	<b>Seliwanoff's Reagent</b>	btl	1	2,600.00		2,600.00
<b>Specification:</b>  Technical grade (100mL per bottle)						
27	<b>Sodium Bicarbonate</b>	btl	1	1,000.00		1,000.00
<b>Specification:</b>  ?Sodium Bicarbonate Powder ?USP Pharmaceutical Grade ?CAS: 13-34799 ?HIGHEST QUALITY ?Aluminum Free ?1-kg bottle						
28	<b>Sodium Chloride</b>	btl	1	750.00		750.00
<b>Specification:</b>  Analytical Reagent Grade 500g per bottle						
29	<b>Sodium Iodide</b>	btl	1	1,702.00		1,702.00
<b>Specification:</b>  ?Anhydrous ?Lab grade/ Analytical reagent grade ?Expiration date(3 years from the delivery date) ?Packed in Teflon bottles						
30	<b>Sodium phosphate monobasic, NaH<sub>2</sub>PO<sub>4</sub></b>	btl	1	1,450.00		1,450.00
<b>Specification:</b> <ul style="list-style-type: none"><li>• Analytical grade</li><li>• For use as enzyme buffer and other chemical assays</li><li>• Bottle of at least 500g</li></ul>						
31	<b>Strontium Chloride</b>	btl	1	479.00		479.00
<b>Specification:</b>  ?Anhydrous ?Lab grade/ Analytical reagent grade ?Expiration date(3 years from the delivery date) ?Packed in Teflon bottles						
32	<b>Three Way Pipettor (Safety Pipettor)</b>	pc	5	2,000.00		10,000.00
<b>Specification:</b>						



Exclusively for handling toxic or hazardous chemicals.

- Material Rubber
- Capacity (mL) 50
- Standard With suction / discharge valve
- Applicable pipette
- outer diameter (?mm) 5?8

	TOTAL						103,392.00
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Checked by: <i>A. Menez</i>	Funds Available:
<b>ELIZABETH S. QUEVEDO</b>	<i>for</i> <b>ALICIA M. FLORES</b> <i>FF 24</i>
TWG - Laboratory Supplies	<b>HEAD, BUDGET OFFICE</b>

Signature:	Requested by:	Noted by:	Approved by:
Printed Name:	JANE M. ABAPO	ELIZABETH S. QUEVEDO	EDGARDO E. TULIN
Designation:	END USER	UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU